TITLE: Off-label Use of 5HT3 Antagonists: Clinical Evidence and Guidelines

DATE: 02 July 2014

RESEARCH QUESTIONS

1. What are the clinical benefits and harms of long term (>5 day) 5HT3 antagonist use for indications other than nausea and vomiting?

2. What are the evidence-based guidelines for the use of 5HT3 antagonists for indications other than nausea and vomiting?

KEY MESSAGE

Four systematic reviews, six randomized controlled trials, three non-randomized studies, and one evidence-based guideline were identified regarding long term (>5 day) 5HT3 antagonist use for indications other than nausea and vomiting.

METHODS

A limited literature search was conducted on key resources including PubMed, The Cochrane Library (2014, Issue 6), University of York Centre for Reviews and Dissemination (CRD) databases, Canadian and major international health technology agencies, as well as a focused Internet search. Methodological filters were applied to limit retrieval to health technology assessments, systematic reviews, meta-analyses, randomized controlled trials, non-randomized studies, and guidelines. Where possible, retrieval was limited to the human population. The search was also limited to English language documents published between January 1, 2009 and June 24, 2014. Internet links were provided, where available.

RESULTS

Rapid Response reports are organized so that the higher quality evidence is presented first. Therefore, health technology assessment reports, systematic reviews, and meta-analyses are presented first. These are followed by randomized controlled trials, non-randomized studies, and evidence-based guidelines.

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Four systematic reviews, six randomized controlled trials, three non-randomized studies, and one evidence-based guideline were identified regarding long term (>5 day) 5HT3 antagonist use for indications other than nausea and vomiting. No relevant health technology assessments were identified.

Additional references of potential interest are provided in the appendix.

**Health Technology Assessments**
No literature identified.

**Systematic Reviews and Meta-analyses**


**Randomized Controlled Trials**


Non-Randomized Studies


Guidelines and Recommendations

See: Drug Therapy, Diarrhea

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APPENDIX – FURTHER INFORMATION:

Review Articles


